

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Frough Shewani.

GENERAL INFORMATION:

Name: Emerson Power Transmission Corporation
Address: 1248 East Second Street, Maysville, Kentucky 41056
Date application received: November 19, 2008
SIC/Source description: 3566 /Speed-changer, drive, gear manufacturer
Source ID: 21-161-00001
Agency Interest: 3005
Activity: APE20080001
Permit number: F-05-006 R2

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
X_Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not a major modification per 401 KAR 51:017, 1(23)(b) or 51:052 1(14)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:**Existing Source:**

POLLUTANTS	POTENTIAL EMISSIONS (TPY)	ACTUAL EMISSIONS¹ (TPY))	ALLOWABLE EMISSION (TPY)
Carbon Monoxide (CO)	22.17	0.245	NA
Nitrogen Oxides (NO_x)	26.27	0.297	NA
Sulfur Dioxide (SO₂)	0.157	0.00178	NA
PM10/PM	19.21	2.067	NA
VOC*	231.8	16.478	60.0
MIBK	0.42	0.00764	NA
Toluene	5.35	0.548	NA
Xylene**	22.45	3.43	9.0
Ethylene Benzene	0.36	0.064	NA
Methanol**	0.313	0.0057	NA
**Combined HAPs	30.47	4.0553	22.5

Emissions from Revisions 2:

POLLUTANTS	POTENTIAL EMISSIONS (TPY)	ACTUAL EMISSIONS¹ (TPY))	ALLOWABLE EMISSION (TPY)
VOC	-19.66	0.1564	NA

Source wide Emissions after revision (Revision 2):

POLLUTANTS	POTENTIAL EMISSIONS (TPY)	ACTUAL EMISSIONS¹ (TPY))	ALLOWABLE EMISSION (TPY)
Carbon Monoxide (CO)	22.17	0.245	NA
Nitrogen Oxides (NO_x)	26.27	0.297	NA
Sulfur Dioxide (SO₂)	0.157	0.00178	NA
PM10/PM	19.21	2.067	NA
VOC*	212.19	16.6344	60.0
MIBK	0.42	0.00764	NA
Toluene	5.35	0.548	NA
Xylene**	22.45	3.43	9.0
Ethylene Benzene	0.36	0.064	NA
Methanol	0.313	0.0057	NA
**Combined HAPs	30.47	4.0553	22.5

1. Actual emissions are from the Kentucky Division for Air Quality's 2007 Emissions Inventory report.

* The source has accepted a facility-wide cap on annual VOC emission of no more than 60 tons per rolling 12-month period.

** The source has accepted a facility-wide cap on annual individual HAP emission of no more than 9 tons per rolling 12-month period.

*** The source has accepted a facility-wide cap on annual combined HAPS emissions of no more than 22.5 tons per rolling 12-month period

SOURCE PROCESS DESCRIPTION:

Emerson Power Transmission Corporation of Maysville, Kentucky, currently operates three plants that manufacture drive train components. The source is consolidating processes from two plants (Plant 1 (021-161-00001) and Plant 3 (021-161-00030)) and discontinuing operations in one (Plant 2 (021-161-00029)). The existing three plants have permits # O-86-38, O-94-007, S-96-223 (Revision 2) and VS-04-003. The consolidated plant (021-161-00001) will have conditional major permit (F-05-006). The source is also proposing to add three spray booths and 11 combustion units.

MINOR PERMIT REVISION 2: CONSOLIDATING TWO PLANTS

On November 19, 2008 the Division received an application from the source for the following;

1. Consolidating its two Maysville locations (526 Clark Street and 1248 East Second Street) into the one remaining facility located at 1248 East Second Street. During this move several emission sources will either move to the main plant or be disposed. The Clark Street location (will be leased from the new owner) will house Emission Point # 1 (Manual Spray Booth (20)) and Emission Point # 7 (Powder Paint Spray Booth (20)).

2. Updating Emission Point # 15 (Coolant) information at the facility.

Revision 1 (Permit # F-05-006 (R1))

Minor Permit Revision

On July 10, 2006 the source applied to the Division for the installation of a solvent distillation unit called "The Minimizer" and four paint gun cleaners. The solvent distillation unit (Model 709 Minimizer TM) is a closed system that recycles the spent solvents while no VOC are emitted into the atmosphere (except opening and closing). The paint gun cleaners will automate the cleaning process at each manual spray booth.

On October 11, 2005 the source has also applied to the Division to revise the permit to reflect actual emissions points.

In addition, on September 12, 2005 the source submitted an application to add a new Lacquer-based paint to their operation. No VOC/HAPS emission increase is expected from this change. Also, the VOC/HAPS caps will remain the same.